



CHENMKO ENTERPRISE CO.,LTD

Halogens free devices

SURFACE MOUNT

SCHOTTKY BARRIER DIODE

VOLTAGE 40 Volts CURRENT 200 mAmpere

CH701UGP

APPLICATION

- * High speed switching

FEATURE

- * Small surface mounting type. (SC-88/SOT-363)
- * Low VF and low IR
- * Three diodes in parallel installation

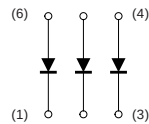
CONSTRUCTION

- * Silicon epitaxial planar

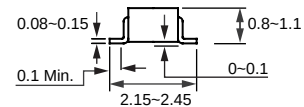
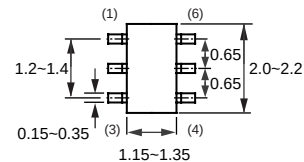
MARKING

- * JG

CIRCUIT



SC-88/SOT-363



Dimensions in millimeters

SC-88/SOT-363

MAXIMUM RATINGS (At TA = 25°C unless otherwise noted)

RATINGS	SYMBOL	CH701UGP	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	40	Volts
Maximum RMS Voltage	VRMS	28	Volts
Maximum DC Blocking Voltage	VDC	40	Volts
Maximum Average Forward Rectified Current	IO	200	mAmps
Peak Forward Surge Current at 1Sec.	IFSM	0.6	Amps
Typical Junction Capacitance between Terminal (Note 1)	CJ	2.0	pF
Maximum Reverse Recovery Time (Note 2)	TRR	5.0	nSec
Maximum Operating Temperature Range	TJ	-40 to +125	°C
Storage Temperature Range	TSTG	-40 to +150	°C

ELECTRICAL CHARACTERISTICS (At TA = 25°C unless otherwise noted)

CHARACTERISTICS		SYMBOL	CH701UGP	UNITS
Maximum Instantaneous Forward Voltage	@IF= 1.0mA	VF	320	mVolts
	@IF= 100mA		1000	
Maximum Average Reverse Current at VR= 10V		IR	1.0	uAmps

NOTES : 1. Measured at 1.0 MHz and applied reverse voltage of 1.0 volts.
2. ESD sensitive product handling required.

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RATING CHARACTERISTIC CURVES (CH701UGP)

FIG. 1 - FORWARD CHARACTERISTICS

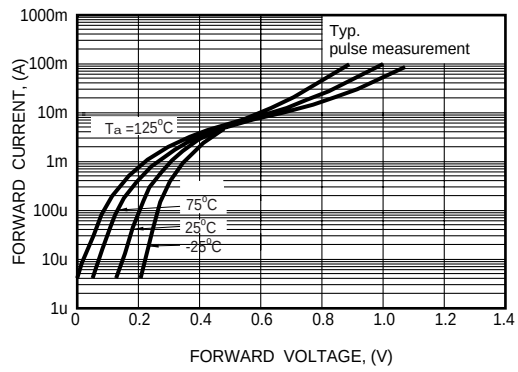


FIG. 2 - REVERSE CHARACTERISTICS

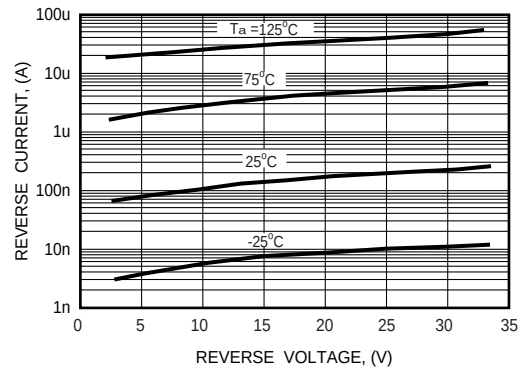


FIG. 3 - TYPICAL JUNCTION CAPACITANCE

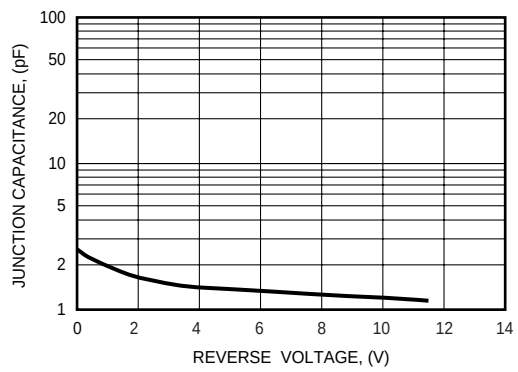


FIG. 4 - TYPICAL FORWARD CURRENT DERATING CURVE

